

ARCHITECT



9211 CORPORATE BLVD, SUITE 340
ROCKVILLE, MD 20850
301-770-8177(P) 301-330-3224(F)

CIVIL

MACRIS, HENDRICKS & GLASCOCK
9220 WIGHTMAN RD, SUITE 120
MONTGOMERY VILLAGE, MD 20886
301-670-0840(P)

**STRUCTURAL
COMPREHENSIVE
STRUCTURAL SOLUTIONS**
9220 WIGHTMAN RD, SUITE 120
MONTGOMERY VILLAGE, MD 20886
240-200-5599(P)

**MECH/ELECTRICAL/PLUMBING
JAMES POSEY ASSOCIATES**

11155 RED RUN BLVD, SUITE 310
BALTIMORE, MD 21117
410-265-6100(P)

KITCHEN

**NYIKOS-GARCIA
FOODSERVICE DESIGN, INC**
18219-A FLOWER HILL WAY
GAITHERSBURG, MD 20879
240-683-9530 (P)

**SUSTAINABILITY
DOO CONSULTING, LLC**

531 PICCADILLY ROAD
BALTIMORE, MD 21204
443-653-3792 (P)

**CONSTRUCTION MANAGER
SKANSKA USA BUILDING INC.**

700 KING FARM BLVD, SUITE 200
ROCKVILLE, MD 20850
301-795-3100 (P)

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, License No.: 16905, Expiration Date: 4.21.2022.

PROFESSIONAL SEAL:

PRINTS ISSUED

| NO. | DESCRIPTION: | DATE: |
|-----|---------------|------------|
| 1 | BID DOCUMENTS | 10/21/2020 |
| 2 | ADDENDUM #2 | 11/25/2020 |
| 3 | ADDENDUM #3 | 12/01/2020 |
| 4 | ADDENDUM #4 | 12/03/2020 |
| 5 | | |

TAX MAP FT62 WSSC 22ANW09
PLAT 12762
9TH ELECTION DISTRICT
CITY OF GAITHERSBURG, MD

**GAITHERSBURG
CLUSTER
ELEMENTARY
SCHOOL #8**

**MONTGOMERY
COUNTY PUBLIC
SCHOOLS**

SHEET TITLE:
**SOIL EROSION,
SEDIMENT CONTROL
AND STORMWATER
MANAGEMENT PLAN**

PROJECT NO:

19007

DATE:

12/04/20

SCALE:

1"=30'

SHEET NO:

C4.12

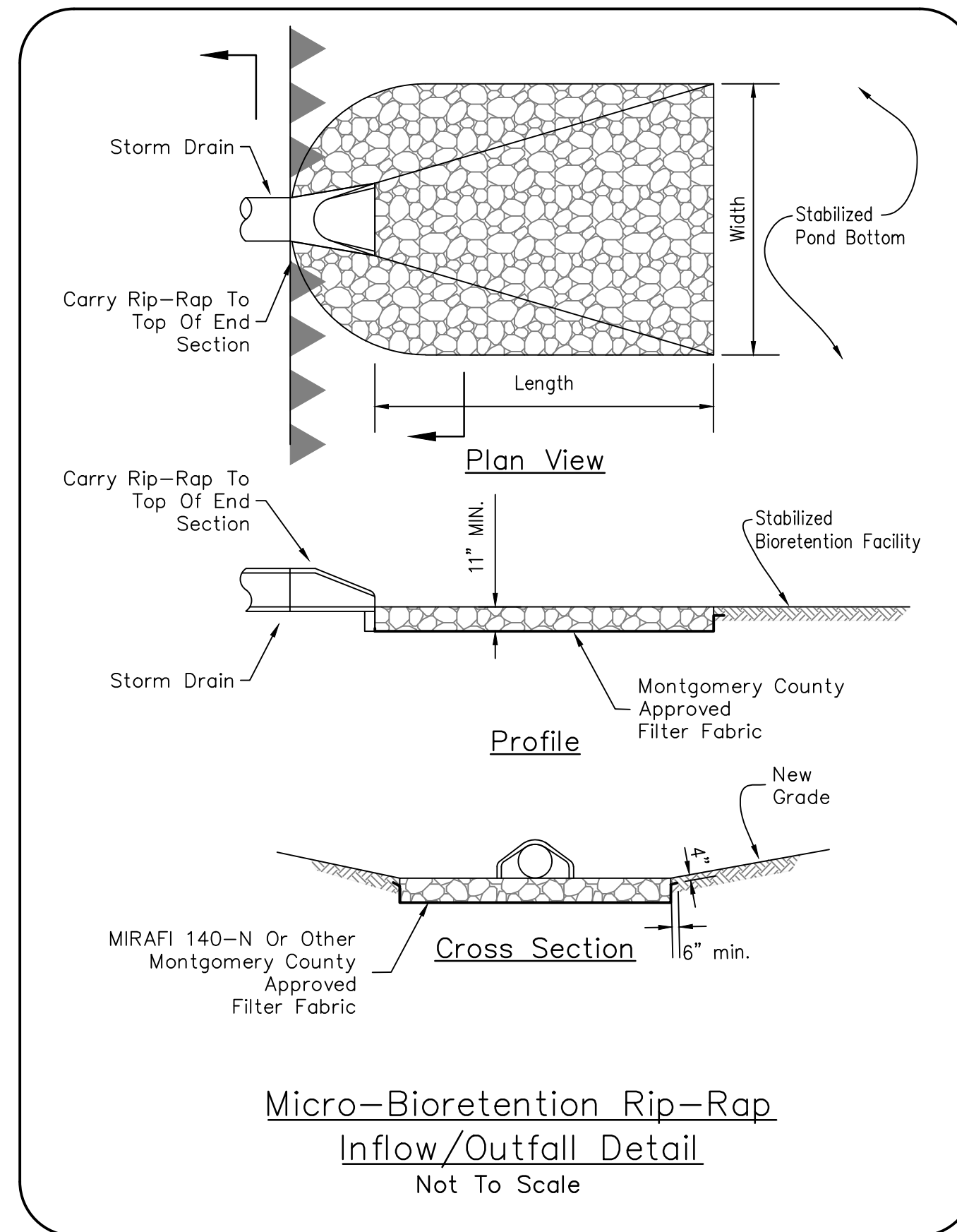
Sheet 16 of 28

SM#285890

SC016SWDETAI

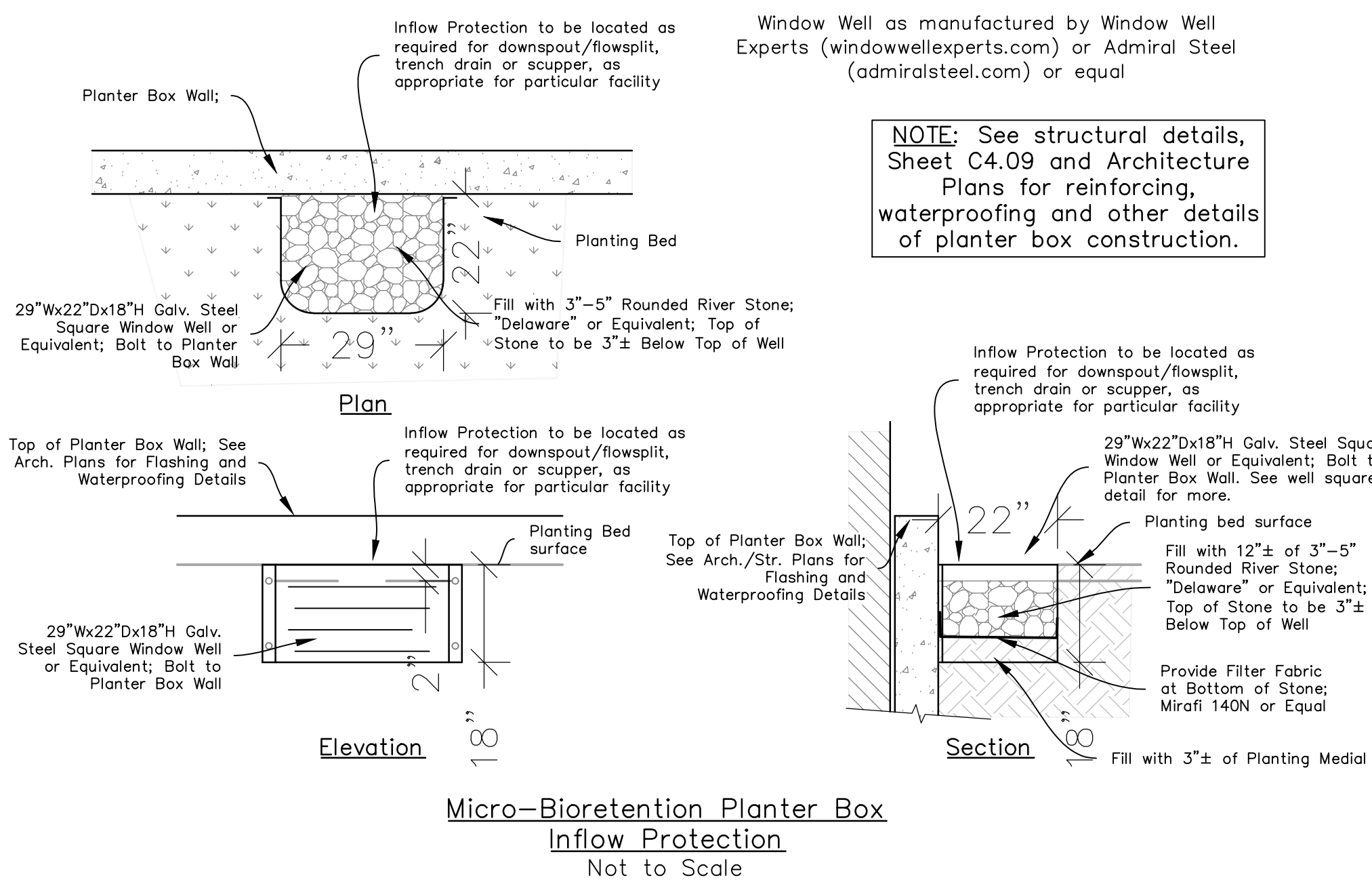
SC#286335

SWM DETAILS AND SPECIFICATIONS



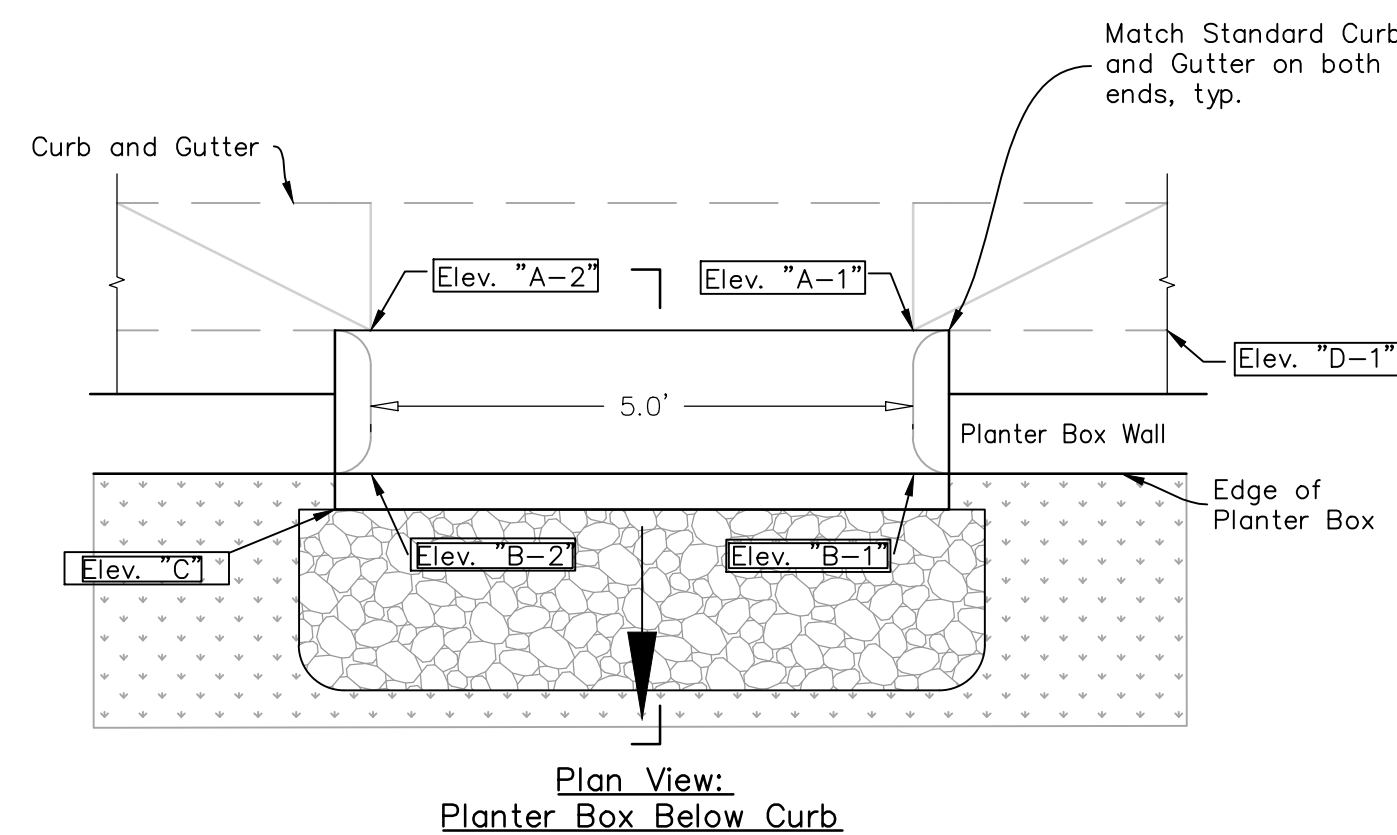
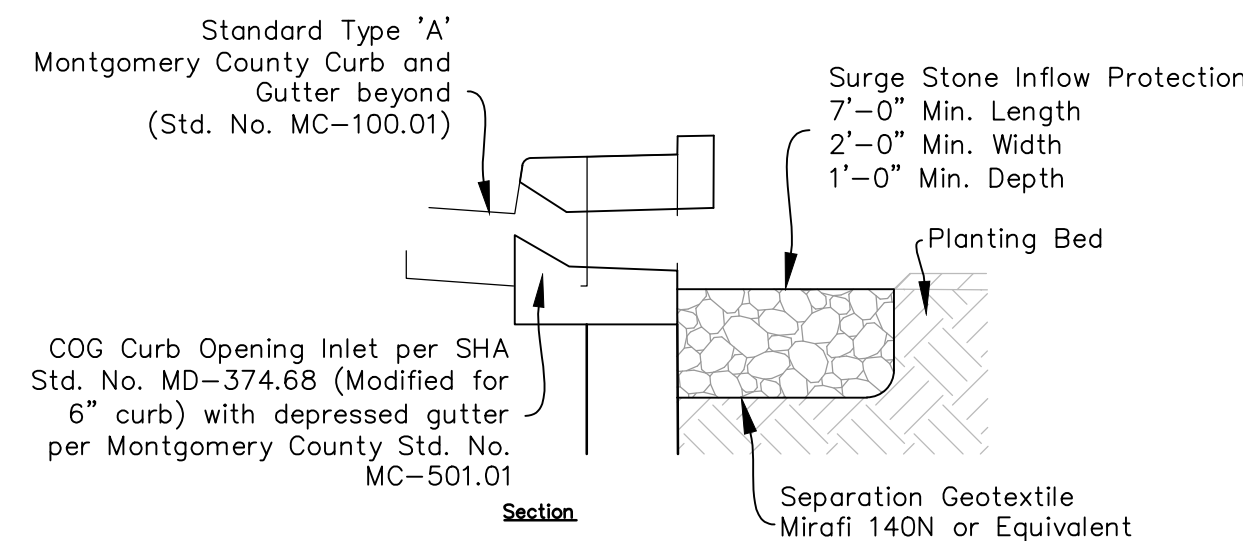
| Inflow/Outfall Dimensions | | | | |
|---------------------------|------|--------|---------|----------------|
| Str. No. | Dia. | Length | Width | Stone Size |
| 140 | 12" | 3' | 4' Min. | M.S.H.A. Cl. 0 |
| 698 | 12" | 7.5' | 5' Min. | M.S.H.A. Cl. 0 |
| 245 | 6" | 4' | 3' Min. | M.S.H.A. Cl. 0 |

| Well Square Galvanized | Gauge | Width | Projection | Available Depths |
|------------------------|-------|-------|------------|--------------------------------|
| WES2922 | 18 | 29" | 22" | 12, 18, 24, 30, 36, 48, 60, 72 |
| WES3224 | 18 | 32" | 24" | 12, 18, 24, 30, 36, 48, 60, 72 |
| WES3630 | 18 | 36" | 30" | 12, 18, 24, 30, 36, 48, 60, 72 |
| WES4224 | 18 | 42" | 24" | 12, 18, 24, 30, 36, 48, 60, 72 |



Flow-Through Curb Detail: Type B (ESD Overflow)

Not to Scale



| Flow-Through Curb - Table of Flow Line/ESD Overflow Elevations | | | | | | |
|--|-------------|-------------|-------------|-----------|-----------|---------|
| Elev. "A-1" | Elev. "A-2" | Elev. "B-1" | Elev. "B-2" | Elev. "C" | Elev. "D" | |
| PB-5-A | 468.20' | 468.40' | 467.67' | 467.85' | 467.15' | 468.10' |
| PB-5-B | 467.15' | 467.33' | 466.62' | 466.78' | 466.15' | 467.04' |
| PB-5-C | 466.15' | 466.33' | 465.62' | 465.78' | 465.15' | 466.04' |
| PB-5-D | 465.15' | 465.26' | 464.62' | 464.71' | 464.15' | ** |
| PB-7-B | 464.92' | 465.09' | 464.39' | 464.54' | 463.50' | 464.82' |
| PB-7-C | 464.33' | 464.50' | 463.80' | 463.95' | 463.00' | 464.23' |
| PB-7-D | 463.26' | 463.50' | 462.73' | 462.95' | 462.00' | 463.11' |
| PB-7-F | 461.26' | 461.50' | 460.73' | 460.95' | 460.00' | 461.11' |
| PB-7-G | 460.26' | 460.50' | 459.73' | 459.95' | 459.00' | 460.11' |
| PB-7-H | 459.00' | 459.24' | 458.47' | 458.69' | 458.00' | ** |

Elev. "A" = Normal Flow Line Elevations at Low Side of Flow-Through Curb

Elev. "B" = Invert of Flow-Through Curb

Elev. "C" = Surface of Finished Planting Bed

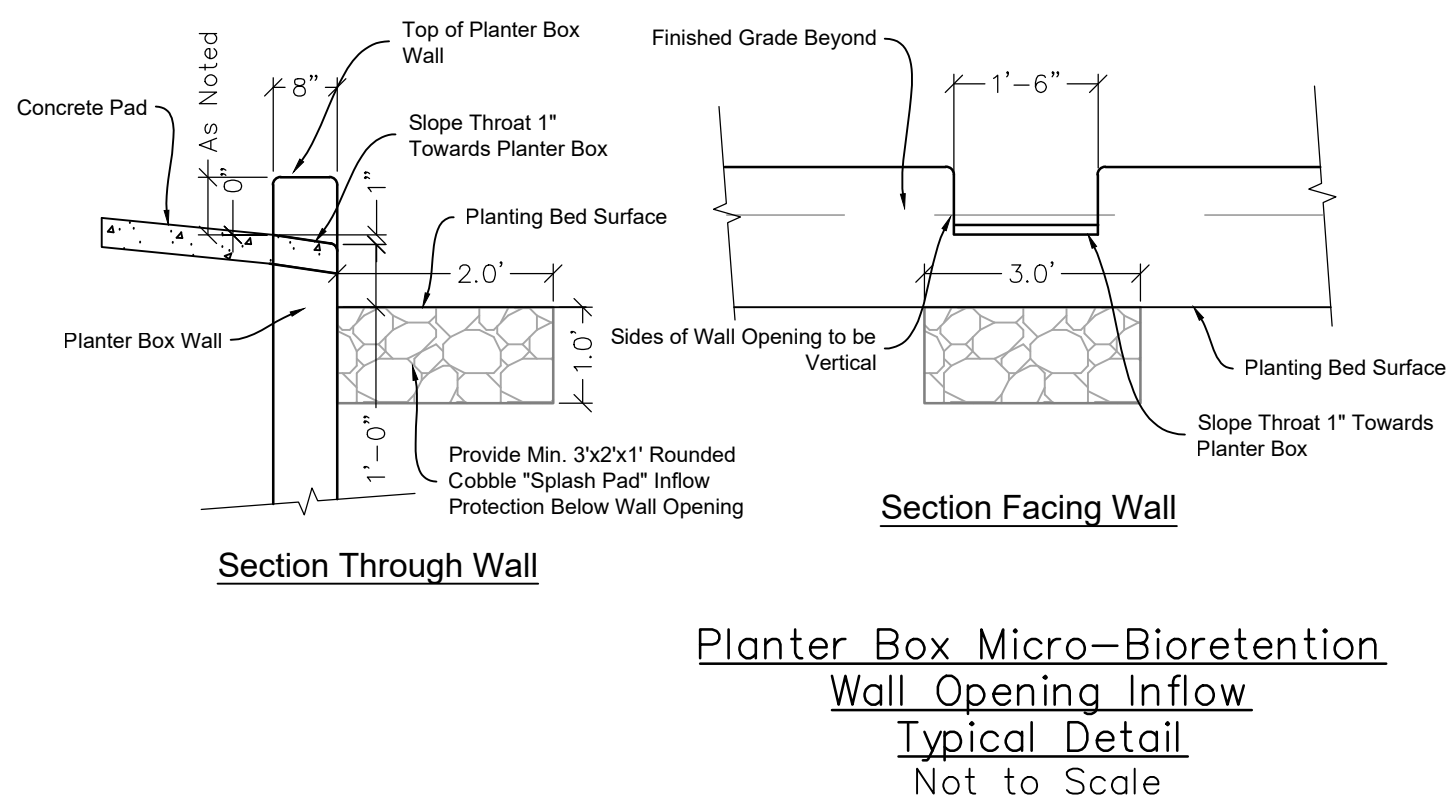
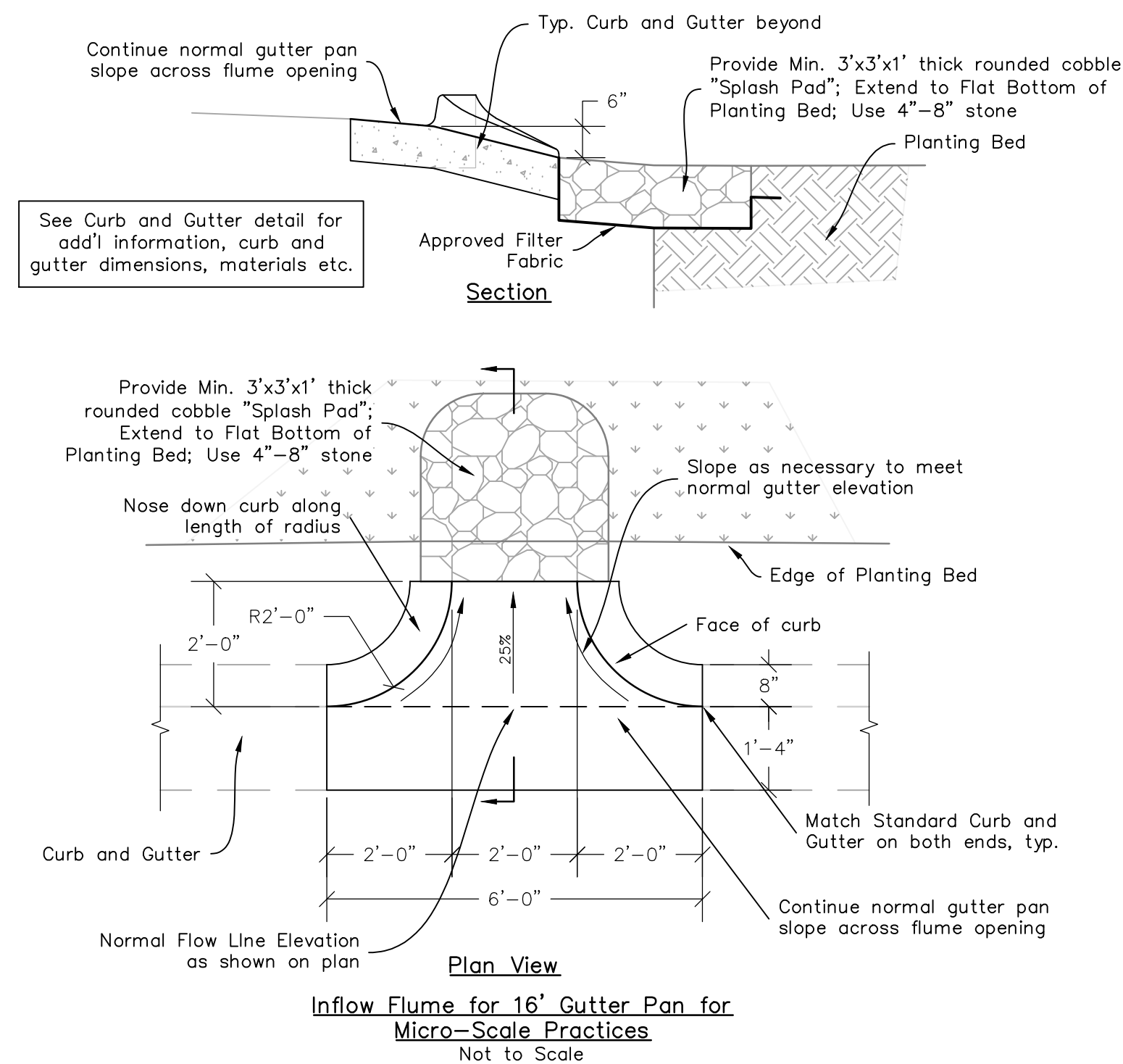
Elev. "D" = Inlet Grade Break At Flow Line and ESD Ponding Elev. At "D" Elev.

** Not Applicable since Flow-Through is at low point

· Surface of Finished Planting Bed (Elev. "C") is to be at least 0.7' lower than Elev. "D".

· Contractor to confirm Elev. "D" prior to beginning construction of each facility.

· If Elev. "D" is not as shown, Contractor must contact Design Engineer to resolve discrepancy before continuing with facility construction.



FOR UTILITY LOCATIONS
CONTACT "ONE CALL" AT 811
AT LEAST 48 HOURS
PRIOR TO CONSTRUCTION